



# Place value relay

**Year**

5

**Focus**

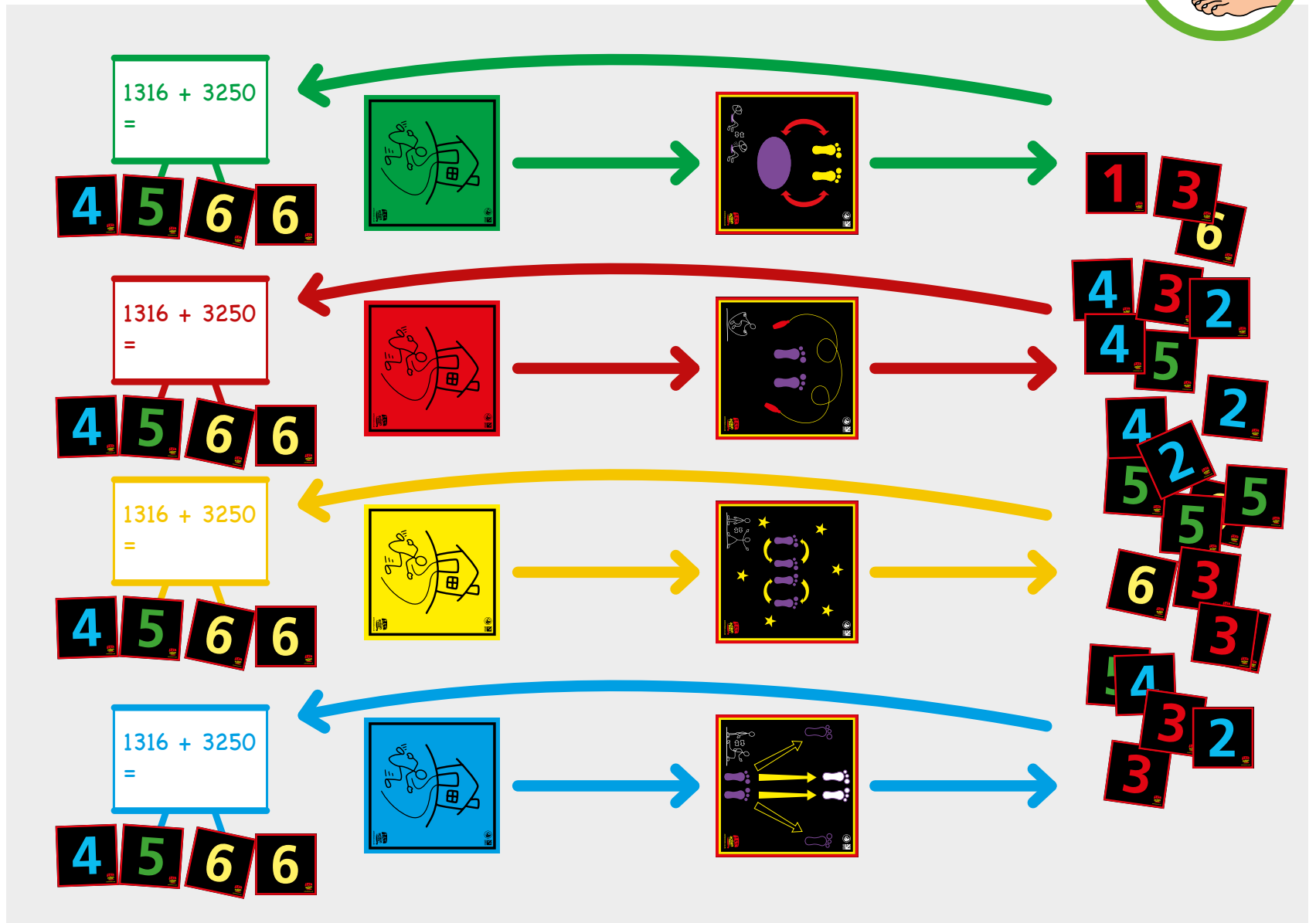
Addition of four digit numbers

**What's needed**

x4 Home Mats

**Action Mats required:**  
plank mat, balance mat,

**Maths mats required:**  
Single digit mats, + and =





## Warm Up

### Addition actions

The teacher displays two digits using the maths mats, students add them mentally and complete that number of a set activity (eg lunges).

Move on to adding one and two digit numbers together.

## Main task

### Place value relay

For this task you will need whiteboard and pen for each group. You will also need pre-prepared equations (see examples below).

(lower ability – adding four digit numbers that does not involve carrying to the next column – eg,  $1346 + 3252$ ,  $7358 + 2541$ . Middle ability – adding four-digit number, including carrying to the next column – eg,  $2983 + 1764$ ,  $4845 + 3982$ ,  $3684 + 4836$ , higher ability – adding four digit numbers, with a decimal place, or give the students a word problem eg, a farmer had 2384 cows, in the spring 8234 calves were born, how many animals does the farmer now have? Or A restaurant began selling a new brand of chocolates, on the first day they sold 2834, on the second they sold 8234 and on each of the remaining days of the week they sold 323 more each day. How many chocolates did they sell that week?)

Students line up in groups of four behind their home mat, the teacher shows the class a sum. The group confer and solve the problem. Once they have agreed on an answer they must send one student to collect the four digits and lay out this number in front of them.

Next, they must then complete a place value relay using the answer. The first student completes the number of actions that correspond to the thousands column, the second student uses the digit in the hundreds column, the third student the tens column and the fourth student the ones column.

Points awarded for the first team finished, or for particularly good teamwork and maths skills.